

BLACK & VEATCH

South Florida Water Management District
EAA Reservoir A-1 Basis of Design Report

January 2006

APPENDIX 8-2
EARTHFILL DAM STABILITY ANALYSES

LIST OF FIGURES

Figure 1	Stability Model A, End of Construction, Upstream Model	1
Figure 2	Stability Model A, End of Construction, Downstream Model	2
Figure 3	Stability Model A. Steady State Seepage. Normal Pool, Downstream Slope	3
Figure 4	Stability Model A. Steady State Seepage. Surge Pool, Downstream Slope	4
Figure 5	Stability Model A. Rapid Drawdown from Normal Pool. Upstream Slope	5
Figure 6	Stability Model A. Rapid Drawdown from Surge Pool. Upstream Slope	6
Figure 7	Stability Model A. Steady State Seepage. Earthquake Loading. Downstream Slope	7
Figure 8	Model B. End of Construction . Upstream Slope	8
Figure 9	Stability Model B. End of Construction. Downstream Slope	9
Figure 10	Stability Model B. Steady State Seepage. Normal Pool, Downstream Slope.....	10
Figure 11	Stability Model B. Steady State Seepage. Surge Pool, Downstream Slope.....	11
Figure 12	Stability Model B. Rapid Drawdown from Normal Pool. Upstream Slope.....	12
Figure 13	Stability Model B. Rapid Drawdown from Surge Pool. Upstream Slope.....	13
Figure 14	Stability Model B. Steady State Seepage. Earthquake Loading. Downstream Slope	14

Figure 1 **Stability Model A, End of Construction, Upstream Model**

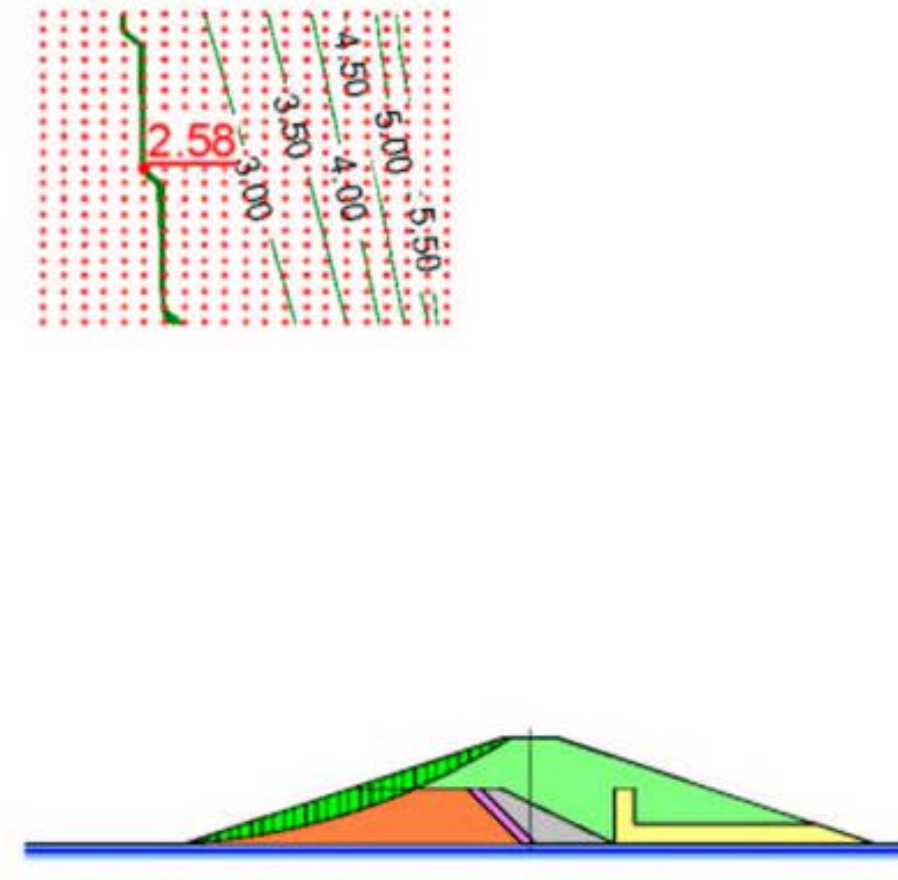


Figure 2 Stability Model A, End of Construction, Downstream Model

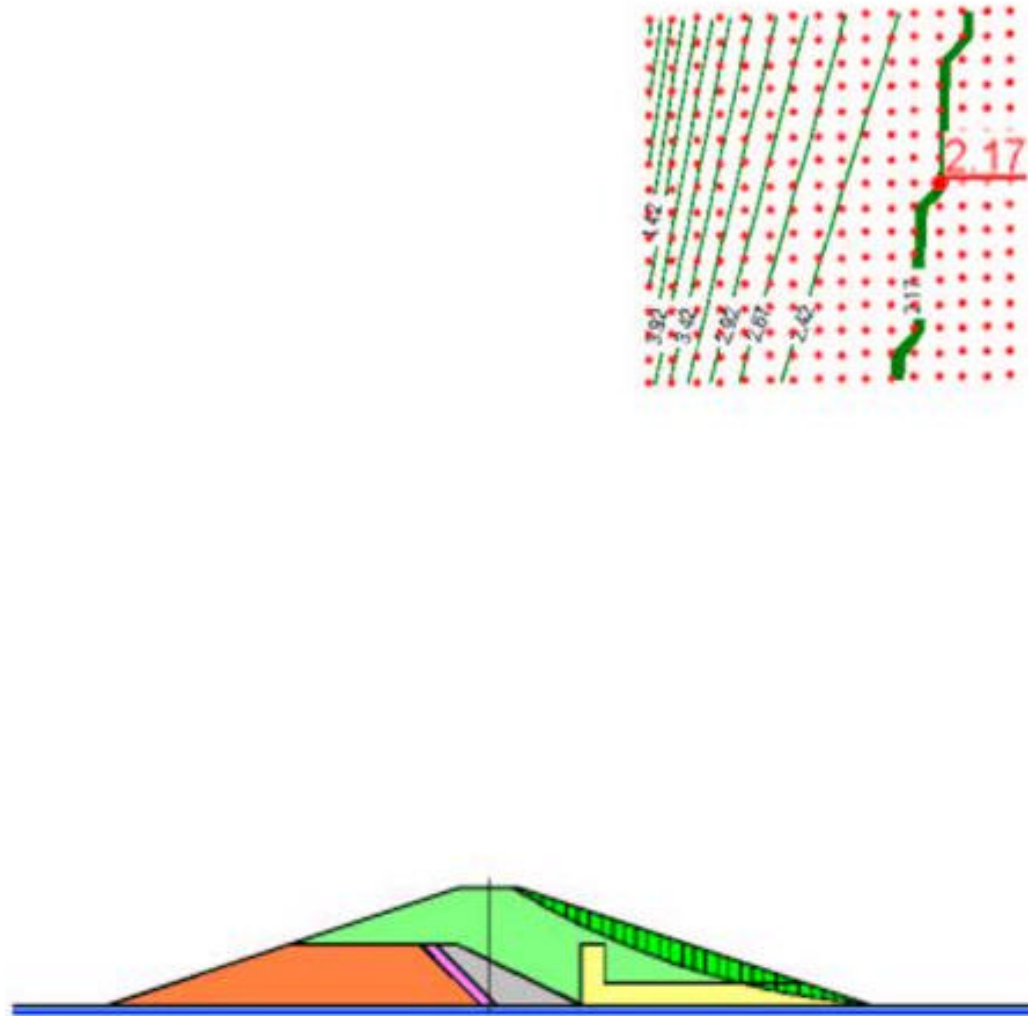


Figure 3 **Stability Model A. Steady State Seepage. Normal Pool, Downstream Slope**

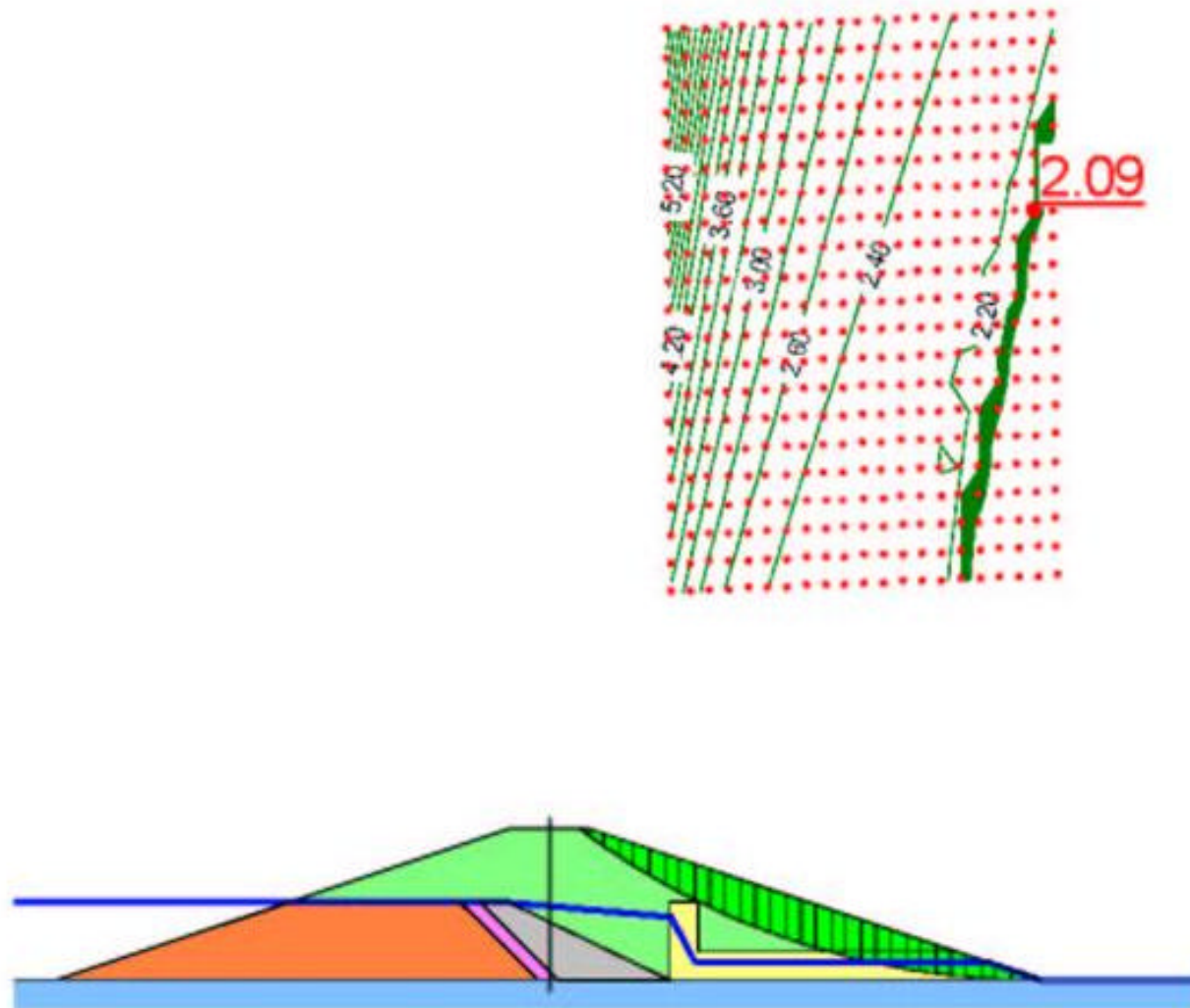


Figure 4 Stability Model A. Steady State Seepage. Surcharge Pool, Downstream Slope

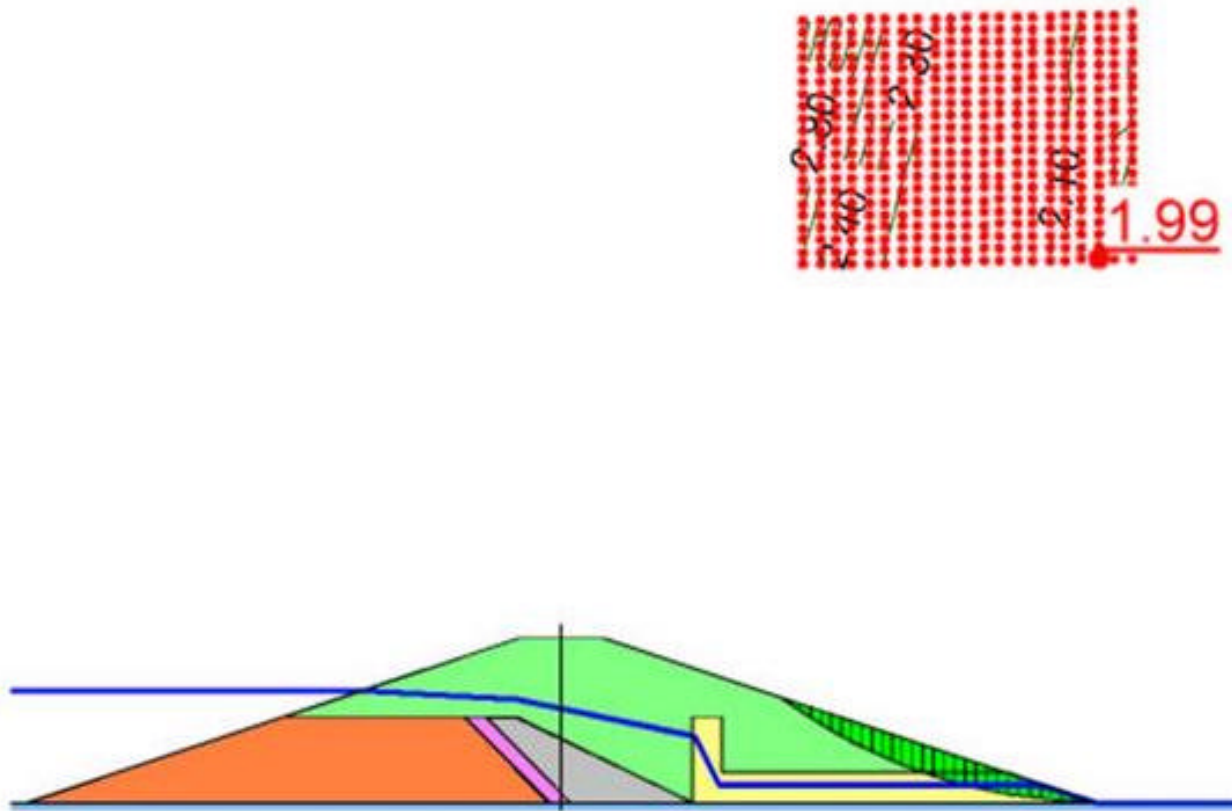


Figure 5 Stability Model A. Rapid Drawdown from Normal Pool. Upstream Slope

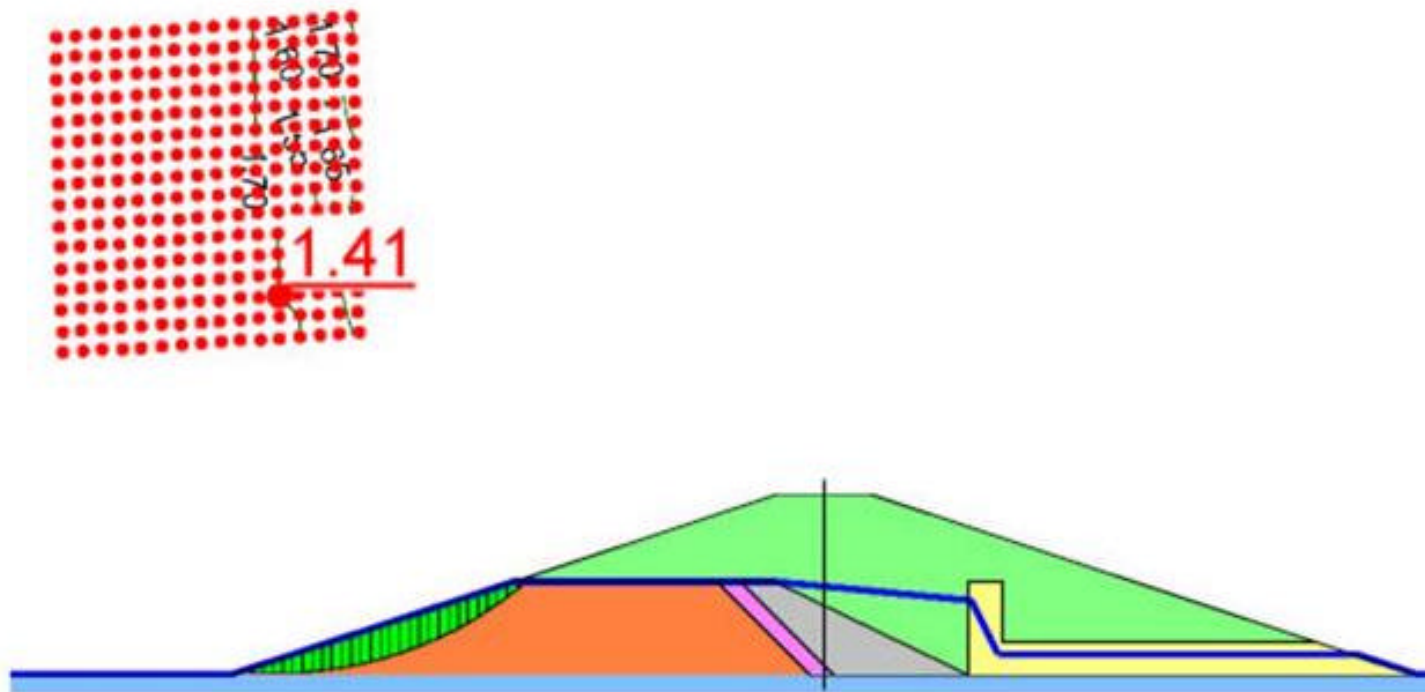


Figure 6 Stability Model A. Rapid Drawdown from Surcharge Pool. Upstream Slope

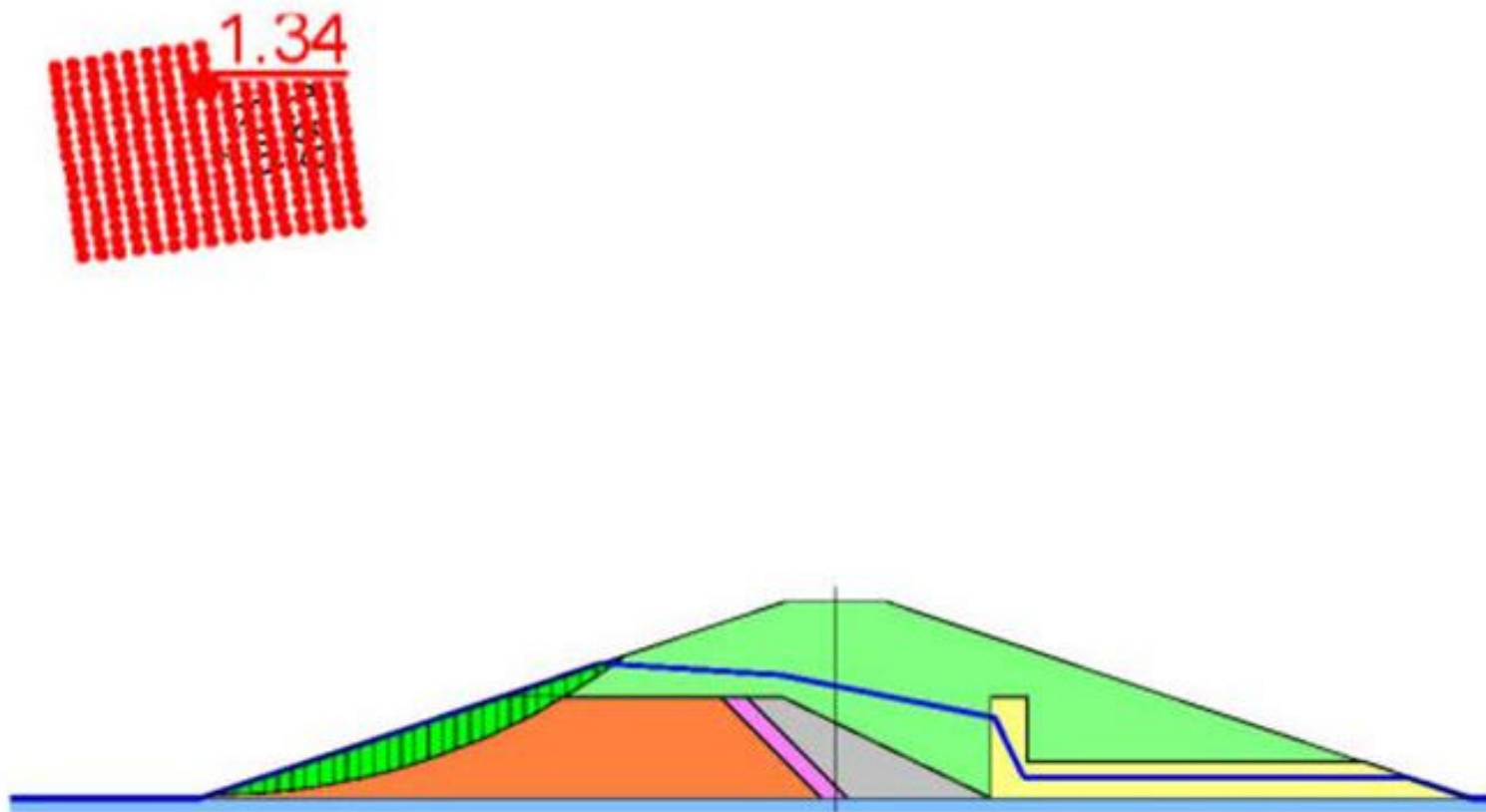


Figure 7 Stability Model A. Steady State Seepage. Earthquake Loading. Downstream Slope

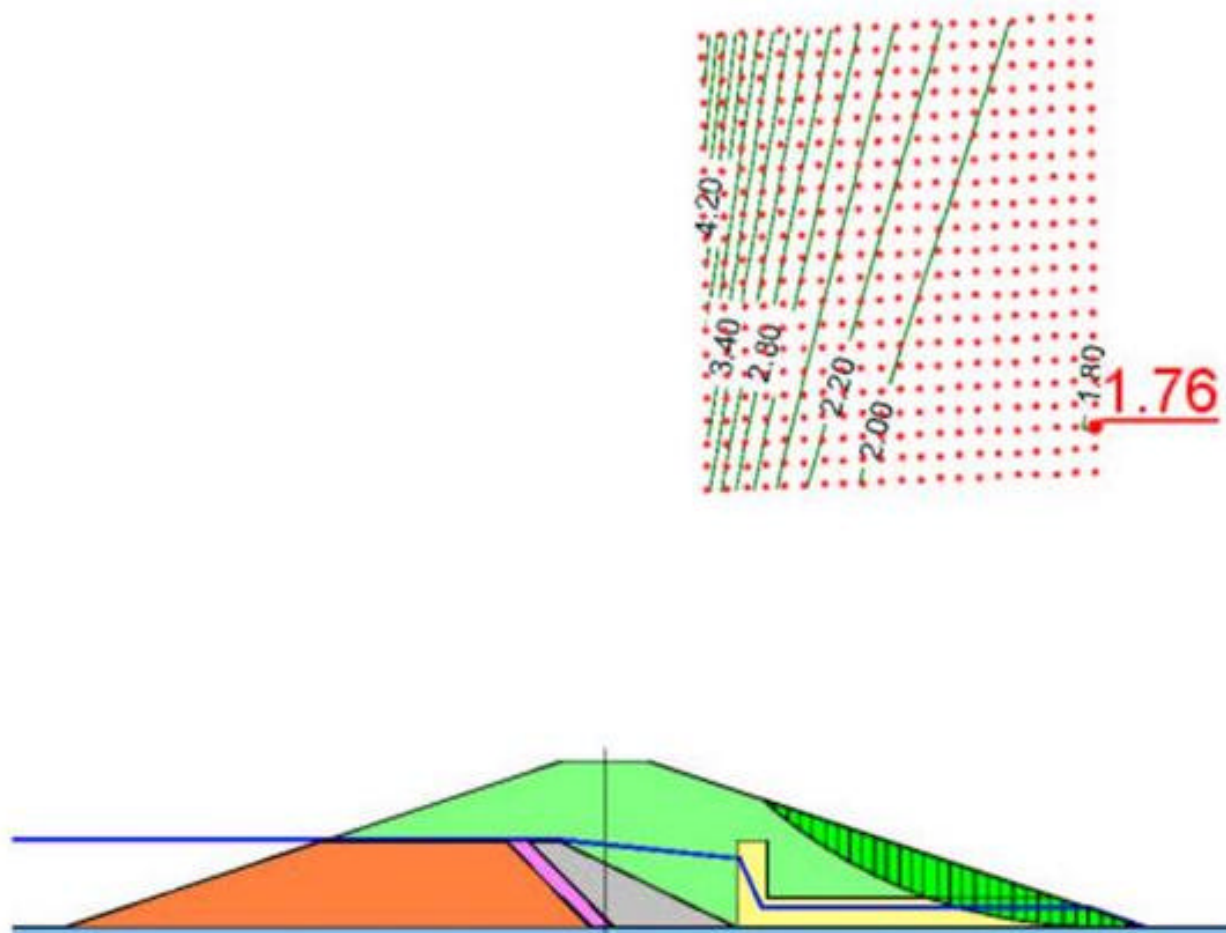


Figure 8 Model B. End of Construction . Upstream Slope

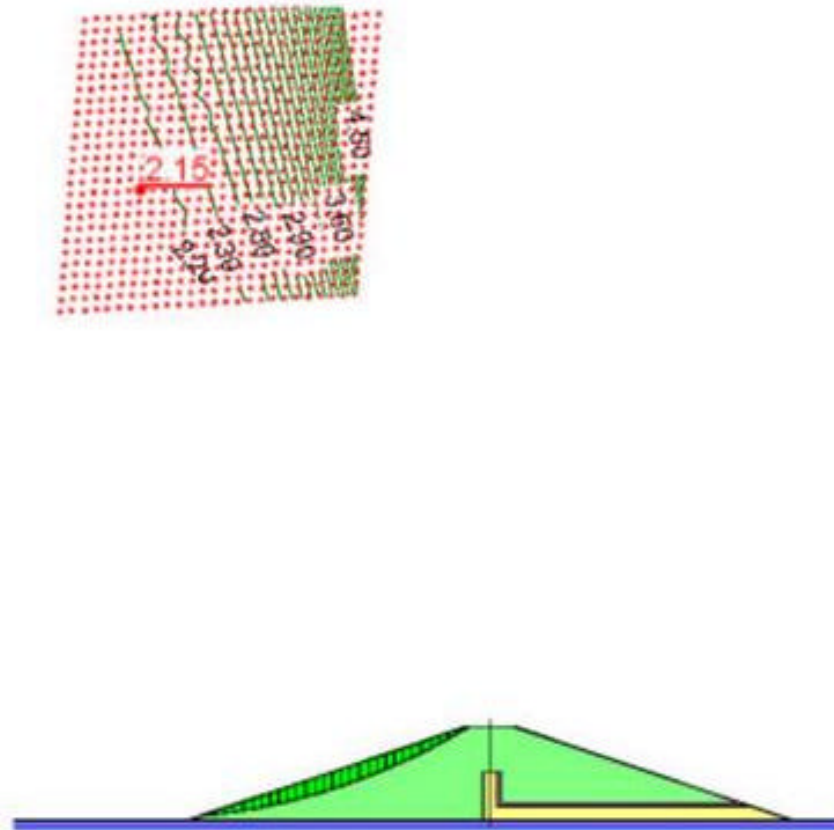


Figure 9 Stability Model B. End of Construction. Downstream Slope

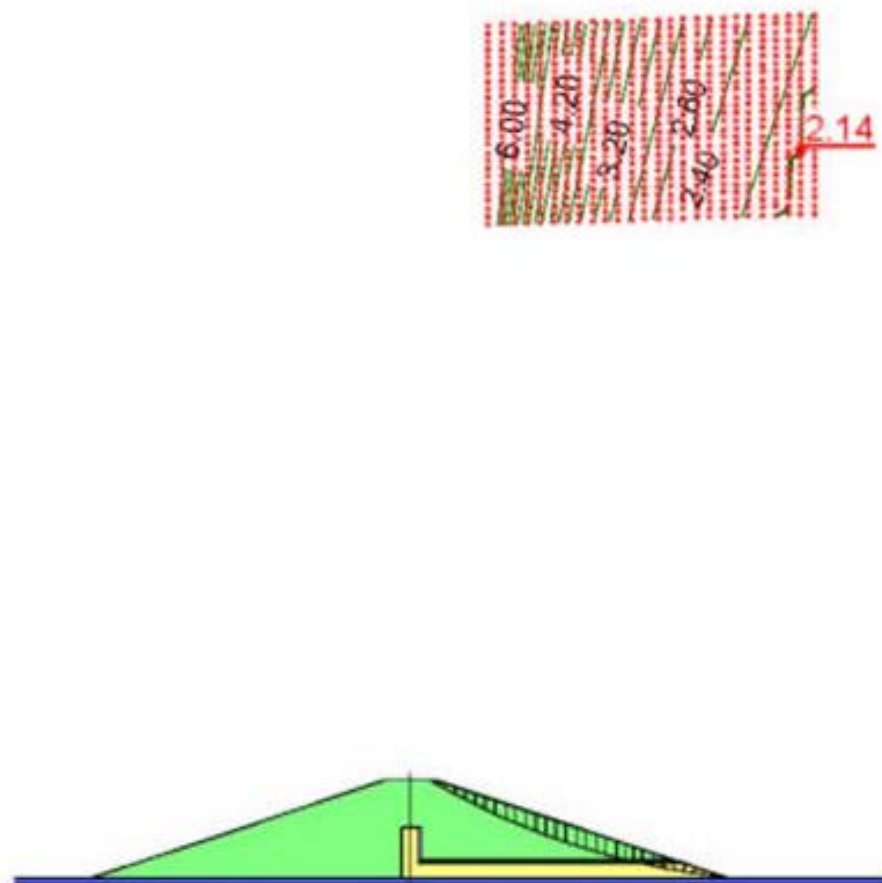


Figure 10 **Stability Model B. Steady State Seepage. Normal Pool, Downstream Slope**

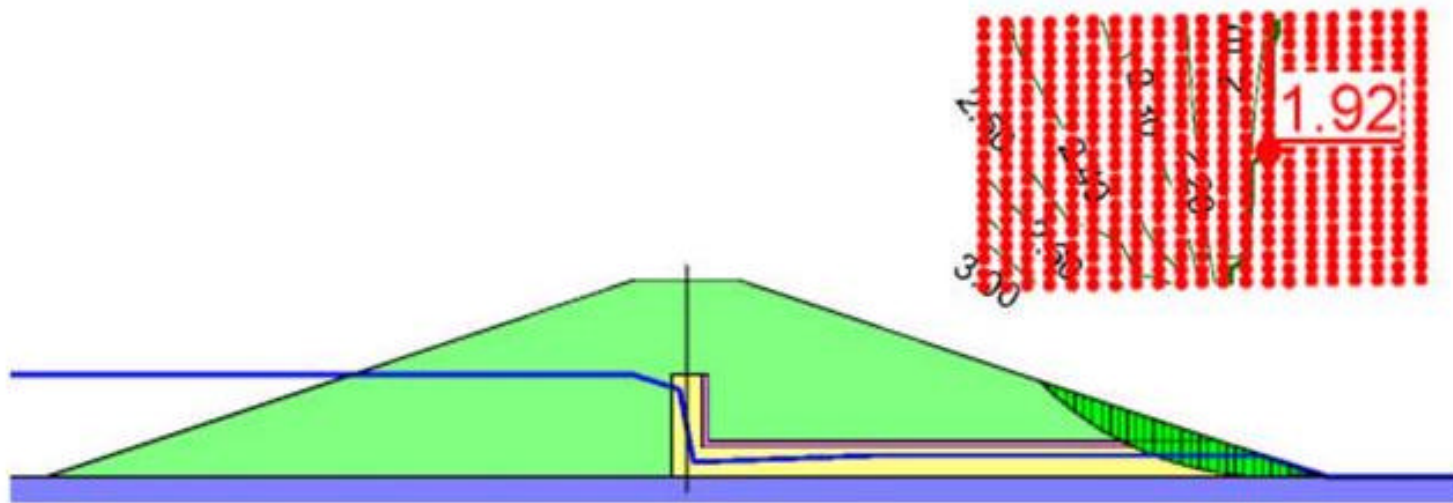


Figure 11 **Stability Model B. Steady State Seepage. Surcharge Pool, Downstream Slope**

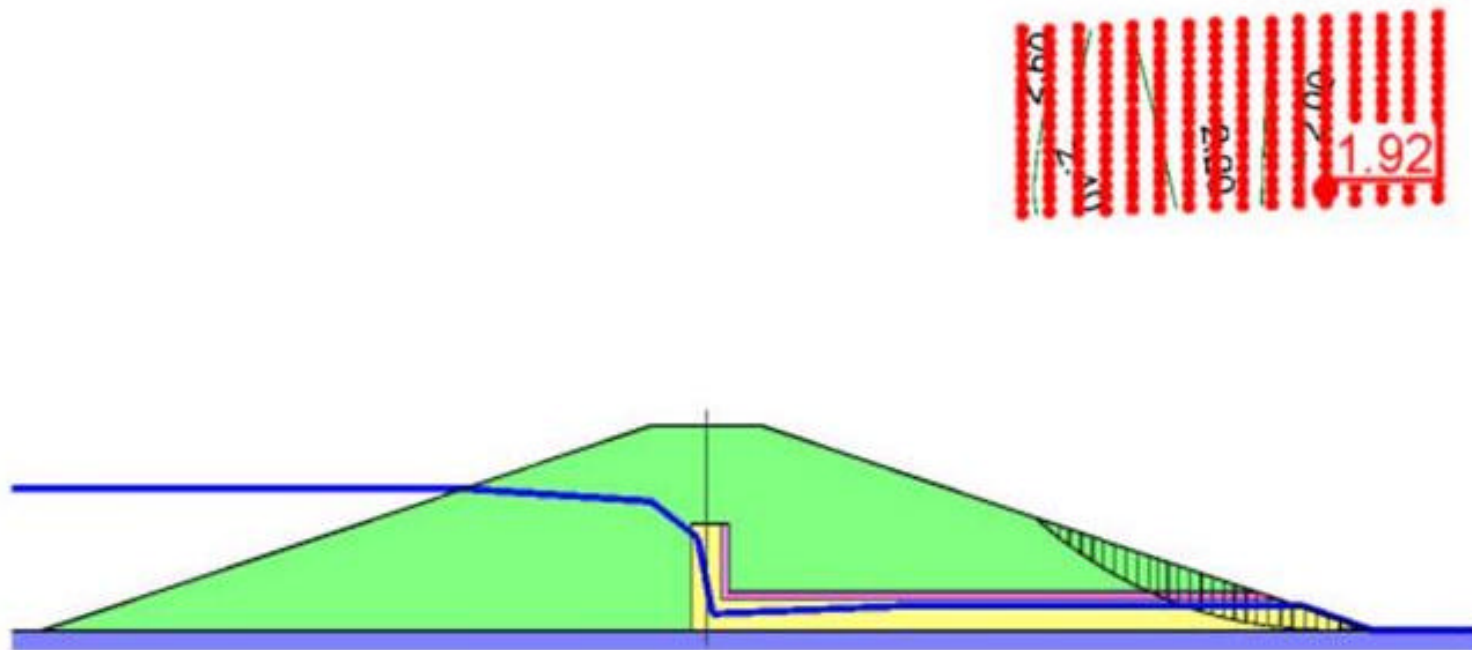


Figure 12 Stability Model B. Rapid Drawdown from Normal Pool. Upstream Slope

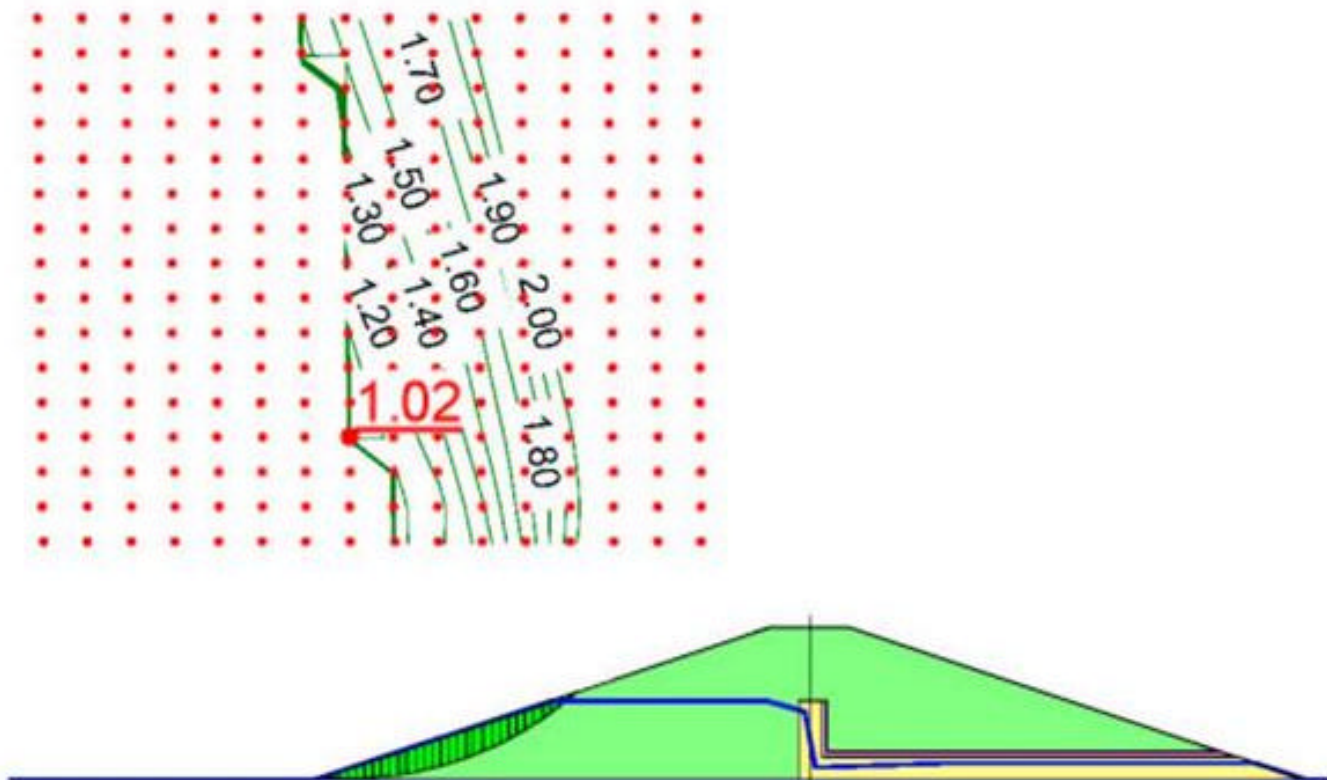


Figure 13 Stability Model B. Rapid Drawdown from Surcharge Pool. Upstream Slope

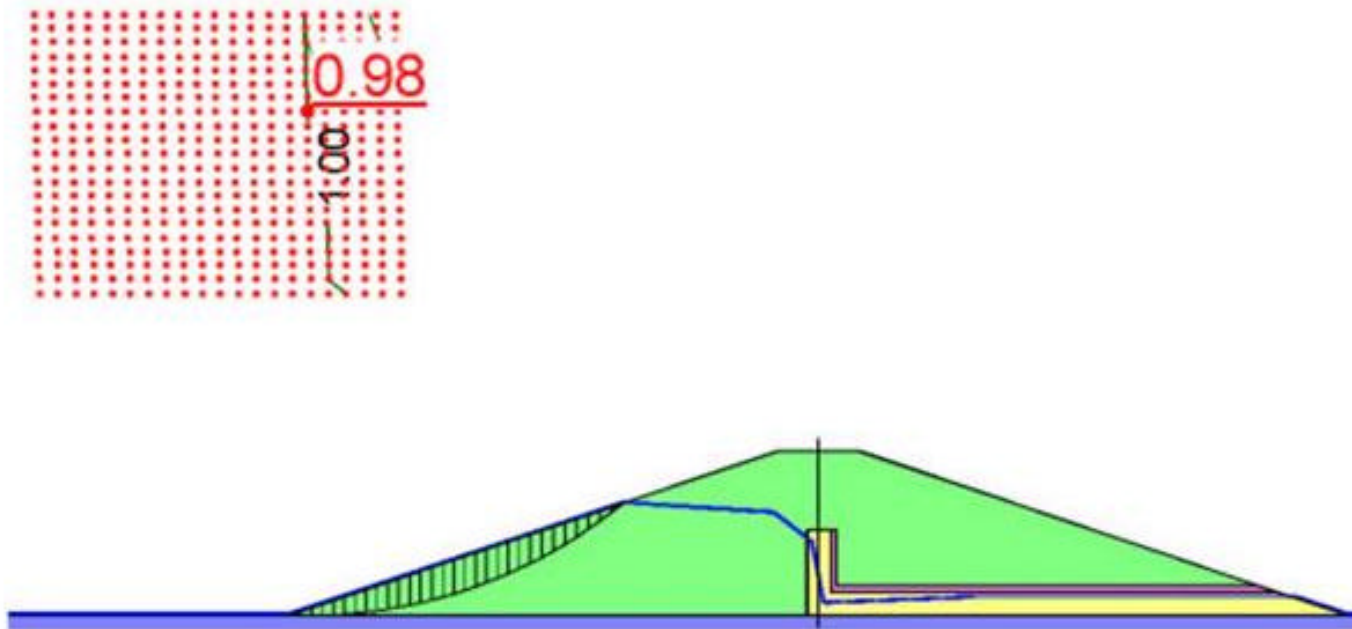


Figure 14 **Stability Model B. Steady State Seepage. Earthquake Loading. Downstream Slope**

